

FIGURE 1  
100

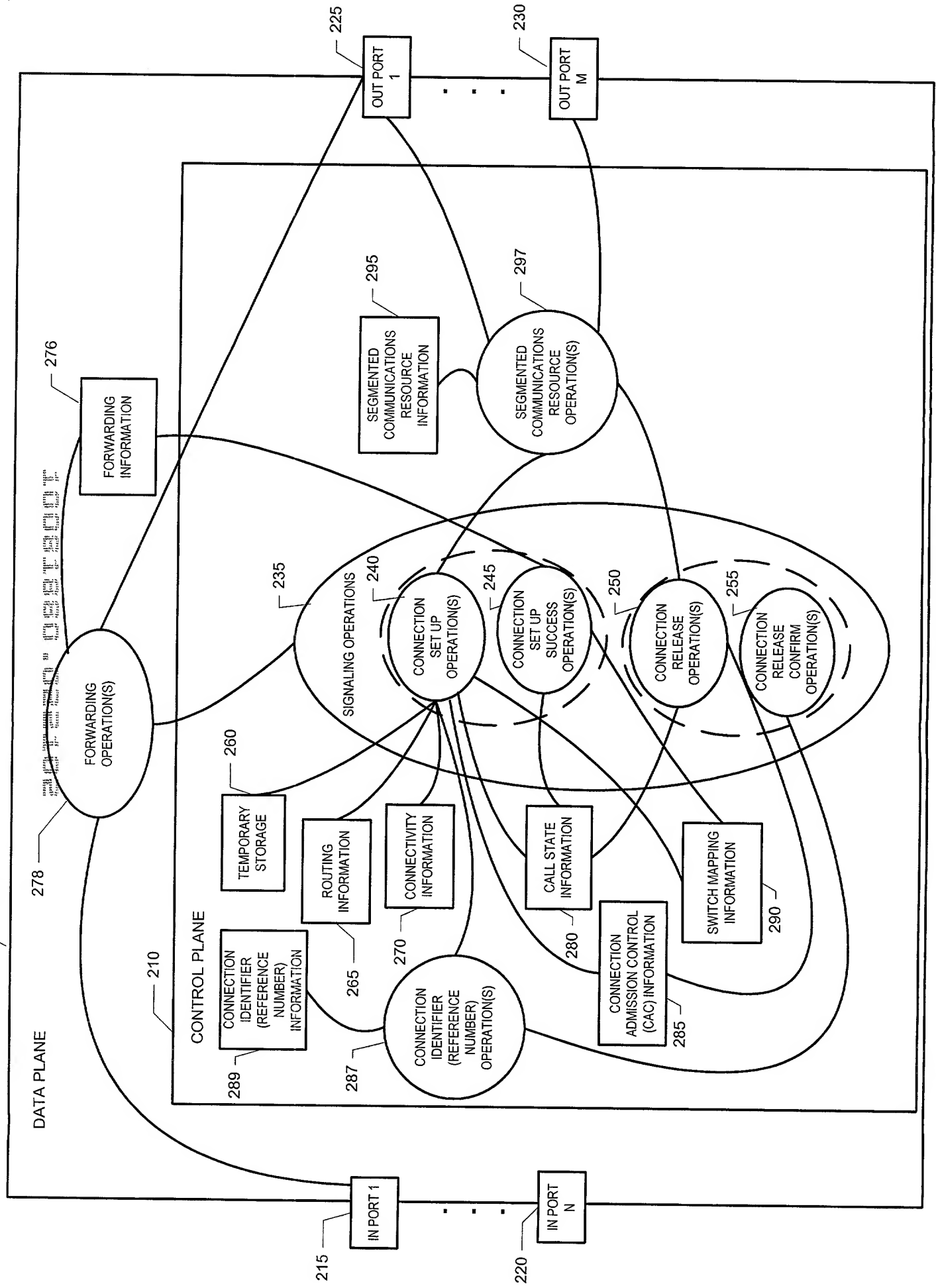


FIGURE 2



Setup Message (0001) 400

Message Length	Destination IP address	Msg. Typ	Connection Reference (previous node)
	Source IP Address		
	Previous Node's IP Address		
Minimum Bandwidth	Maximum Bandwidth	Interface Number	Time-Slot Number
Pad Bits			Checksum

FIGURE 4

Setup Success Message (0010) 500

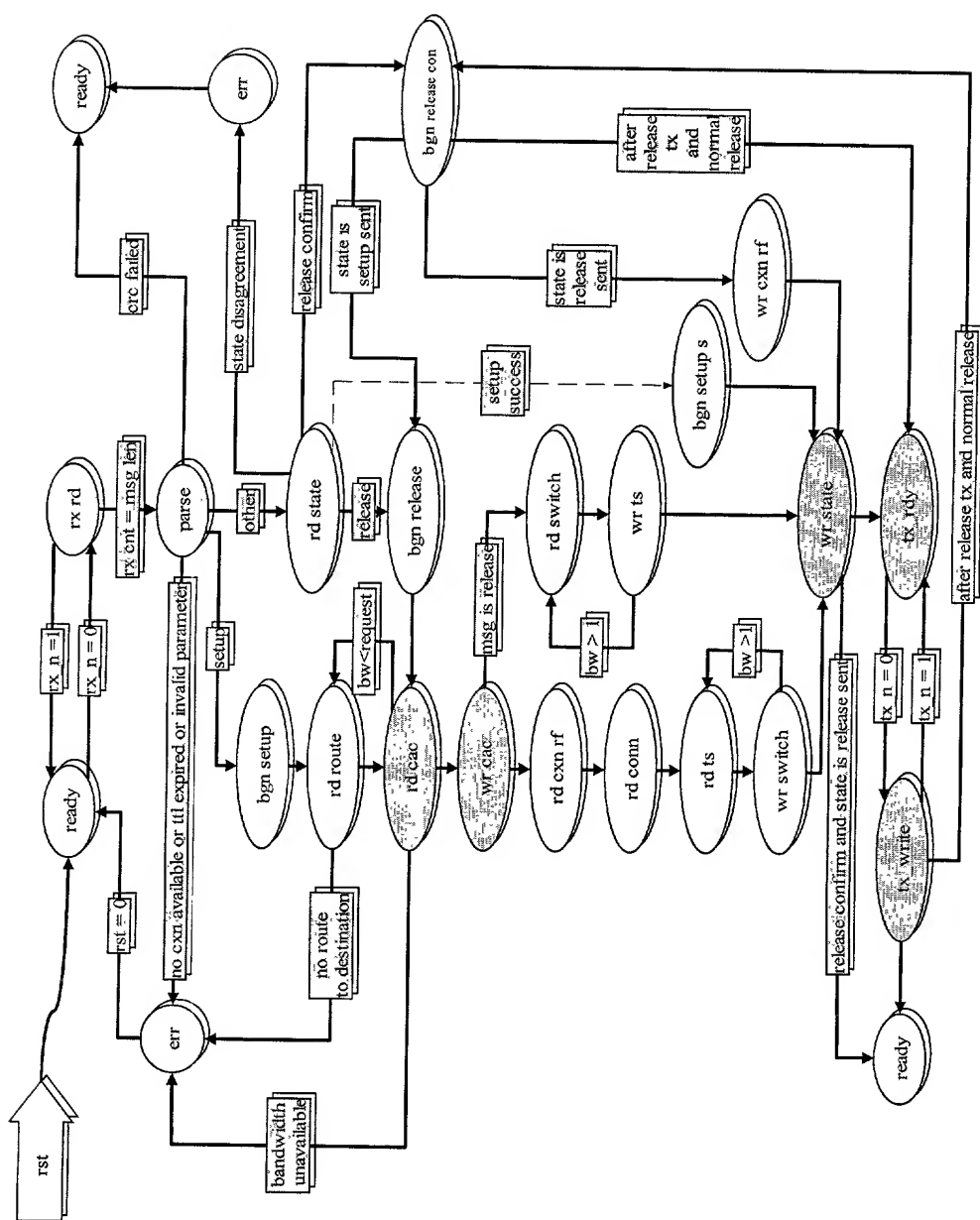
Message Length	Bandwidth	Msg. Typ	Connection Reference (sender)
Connection Reference (own)	Pad Bits		Checksum

FIGURE 5

Release (0011) and Release Confirm (0100) Message 600

Message Length	Cause	Msg. Typ	Connection Reference (sender)
Connection Reference (own)	Pad Bits		Checksum

FIGURE 6



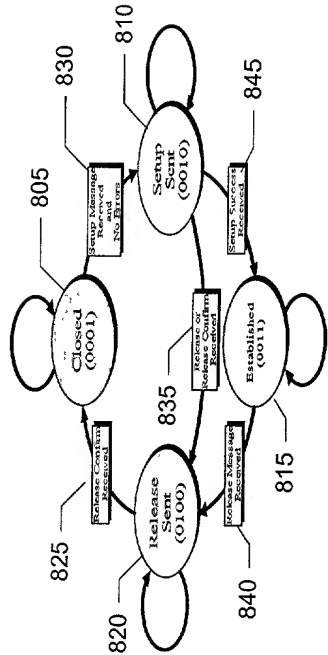


FIGURE 8

Switch Mapping Table 900

OWN CONNECTION REFERENCE	INDEX	SEQUENTIAL OFFSET (0 to BW-1)	RETURN / WRITTEN VALUE			
			INCOMING CHANNEL IDENTIFIER	OUTGOING CHANNEL IDENTIFIER	INTERFACE	TIME-SLOT

State Table 1000

OWN CONNECTION REFERENCE	INDEX	RETURN / WRITTEN VALUE			
		CONNECTION REFERENCE	STATE	BANDWIDTH	OWN CONNECTION REFERENCE

Connectivity Table 1100

NEIGHBOR ADDRESS	INDEX	NEIGHBOR INTERFACE #	RETURN VALUE	
			PREVIOUS	NEXT

Routing Table 1200

DESTINATION ADDRESS	INDEX	REQUESTED BANDWIDTH	OPTION #	RETURN VALUE	
				PREVIOUS	NEXT

Connection Admission Control (CAC) Table 1300

NEXT NODE ADDRESS	INDEX	RETURN / WRITTEN VALUE	
		TOTAL BANDWIDTH	AVAILABLE BANDWIDTH

FIGURE 9

FIGURE 10

FIGURE 11

FIGURE 12

FIGURE 13

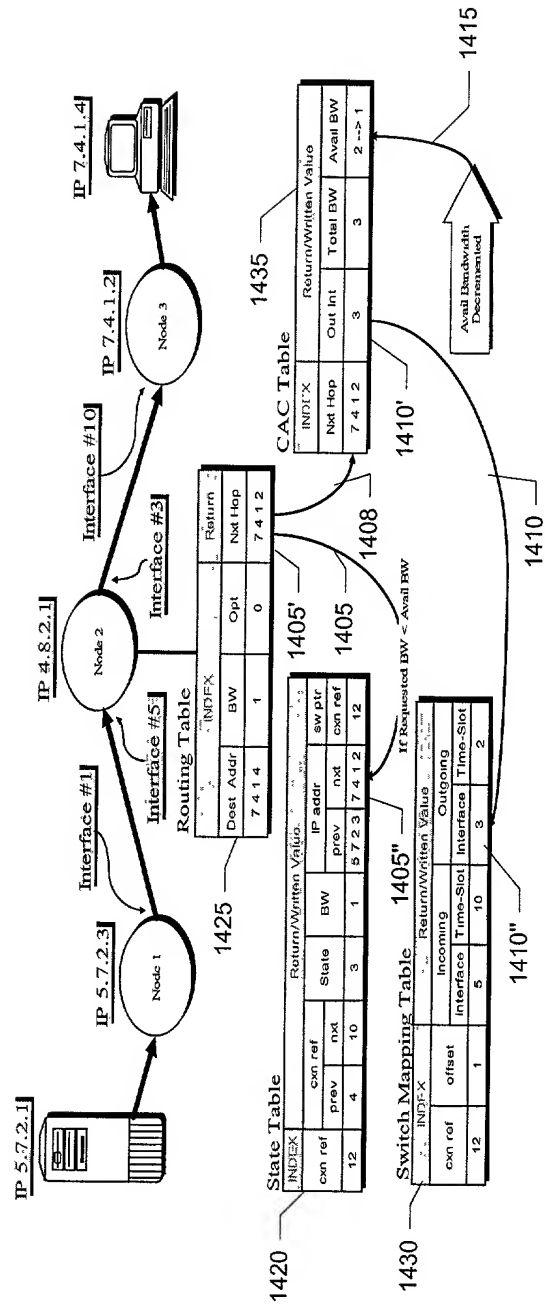


FIGURE 14



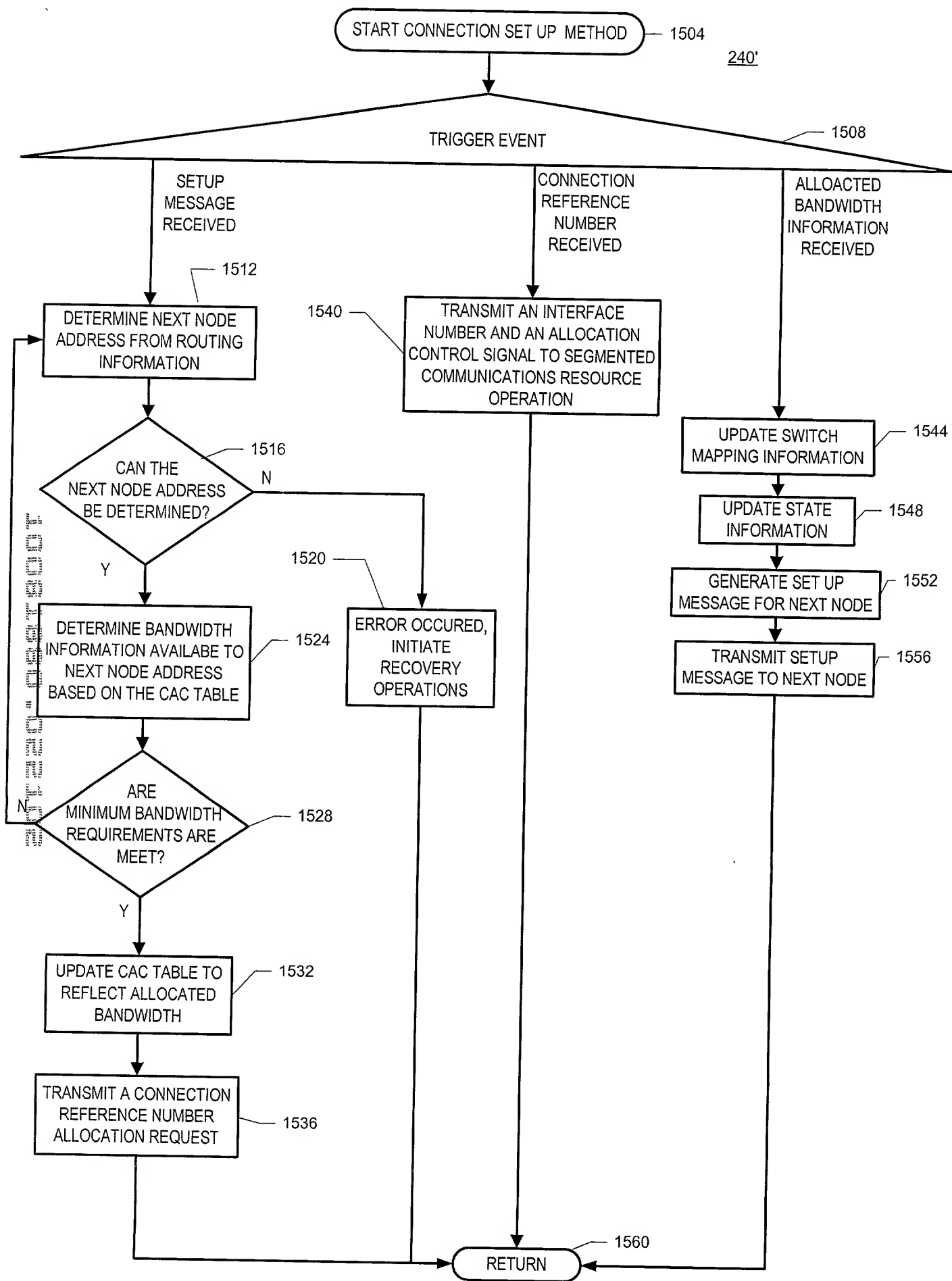


FIGURE 15

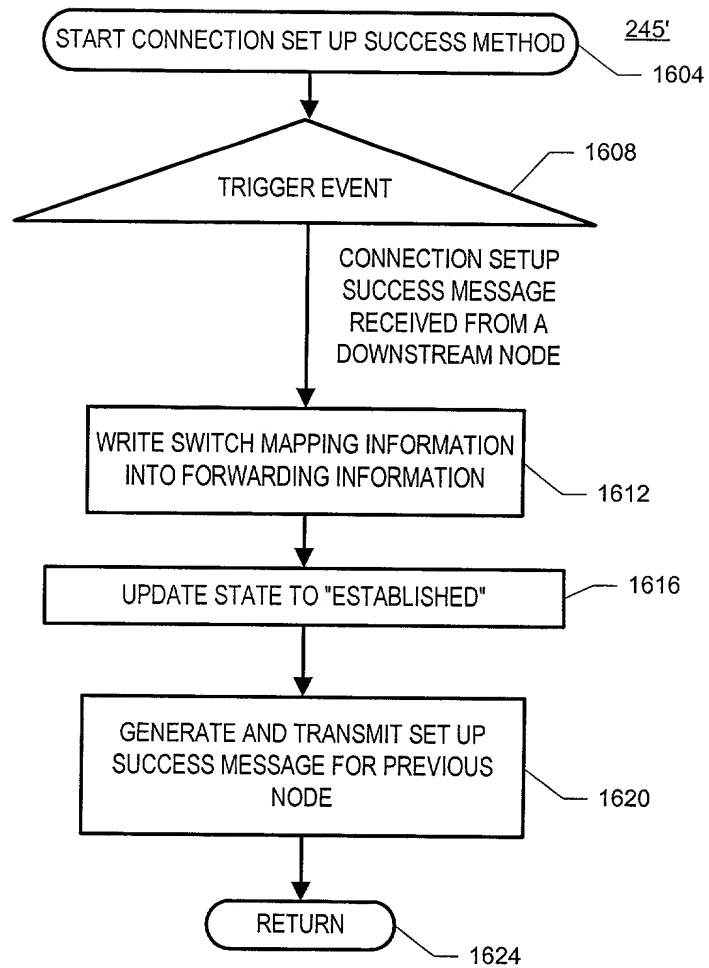


FIGURE 16

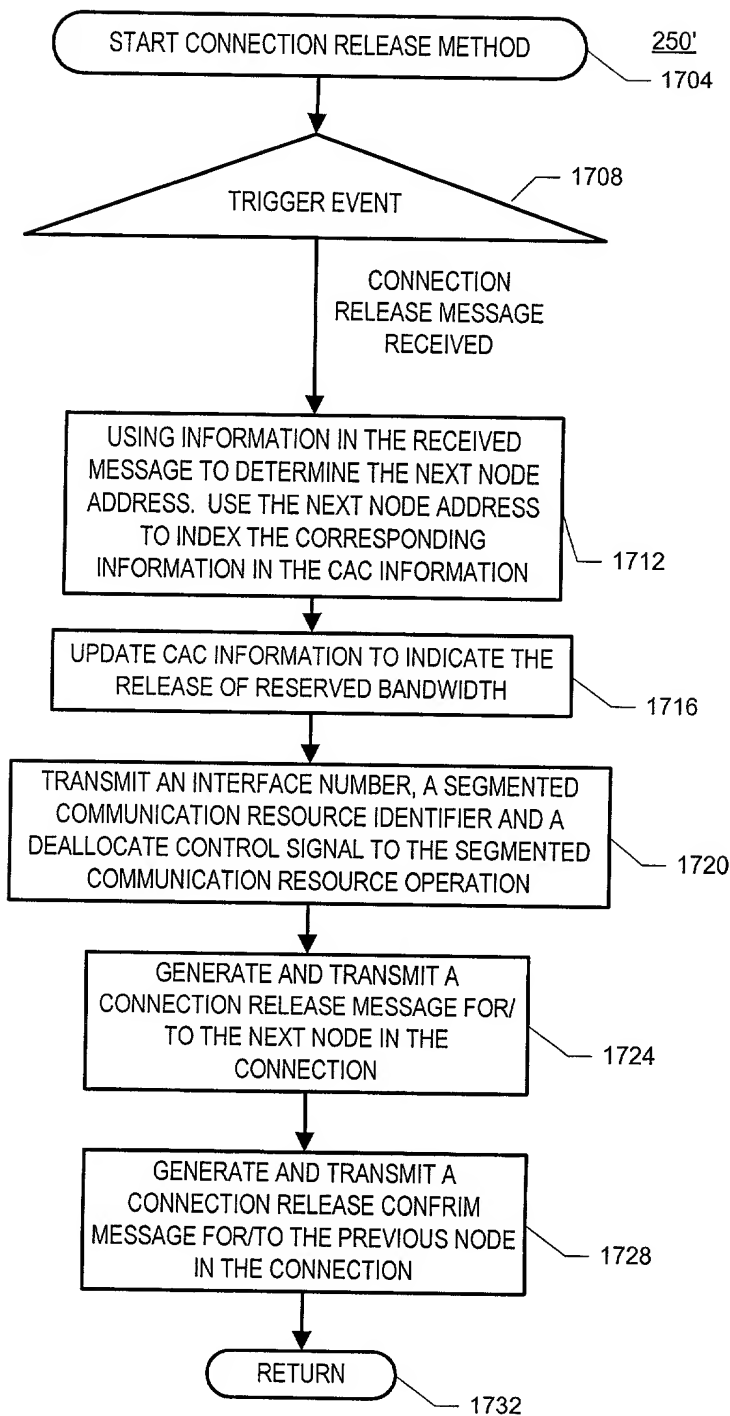


FIGURE 17

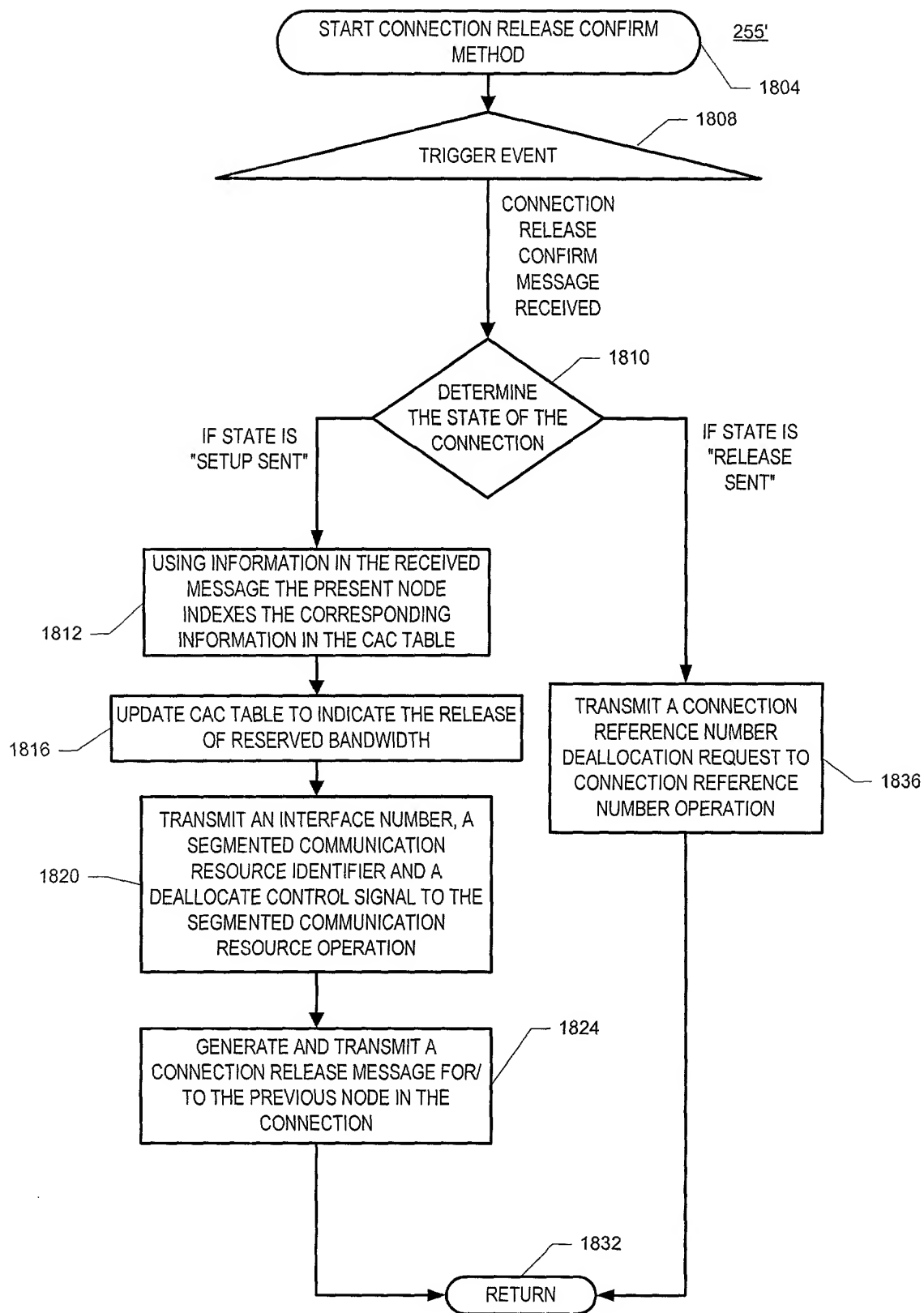


FIGURE 18

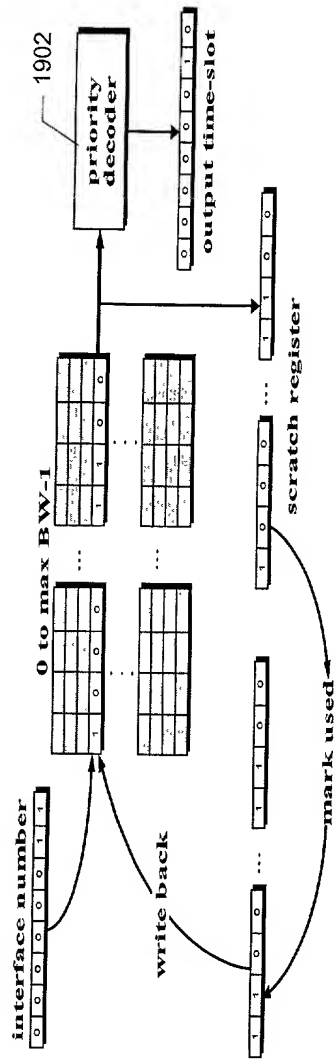


FIGURE 19

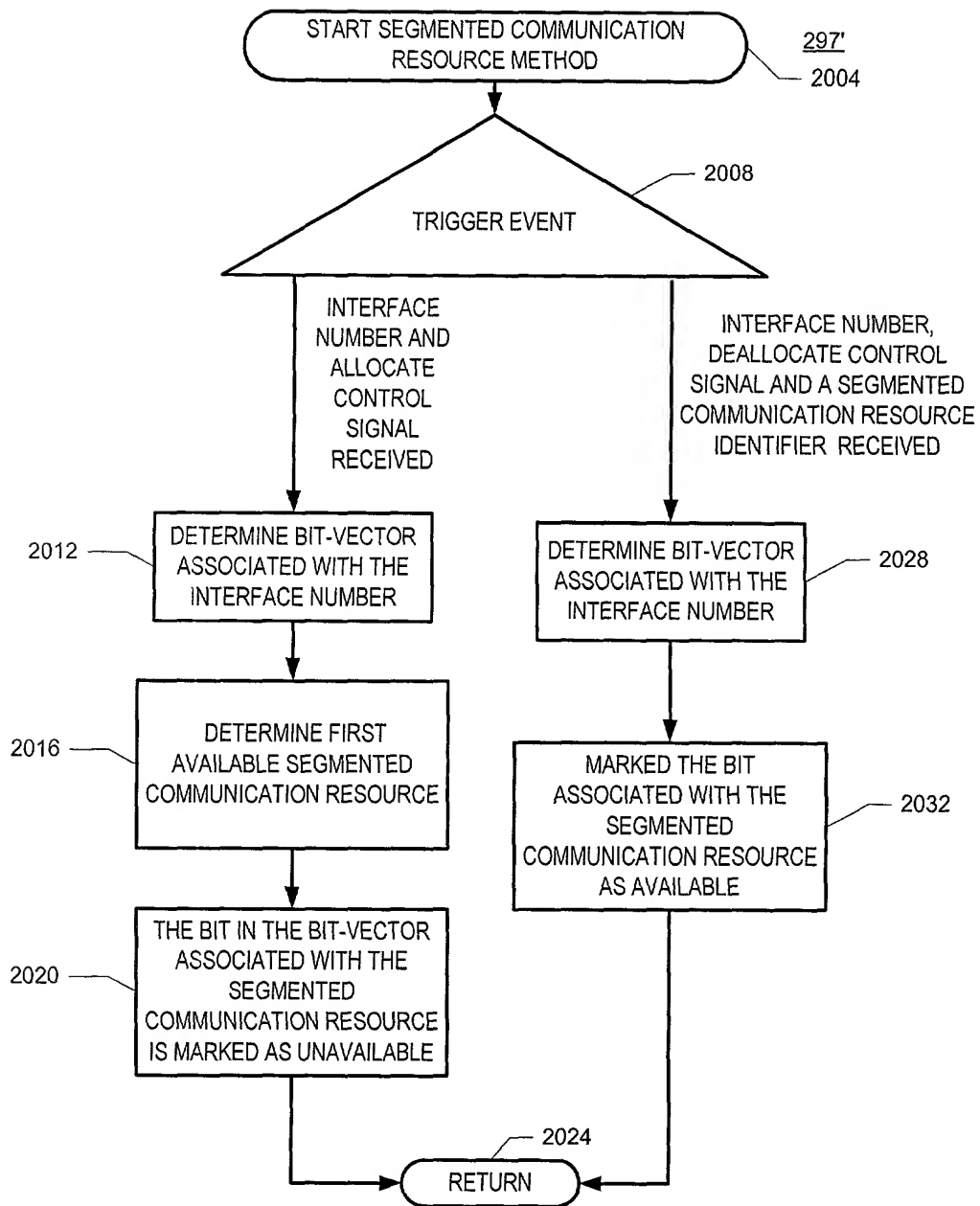


FIGURE 20

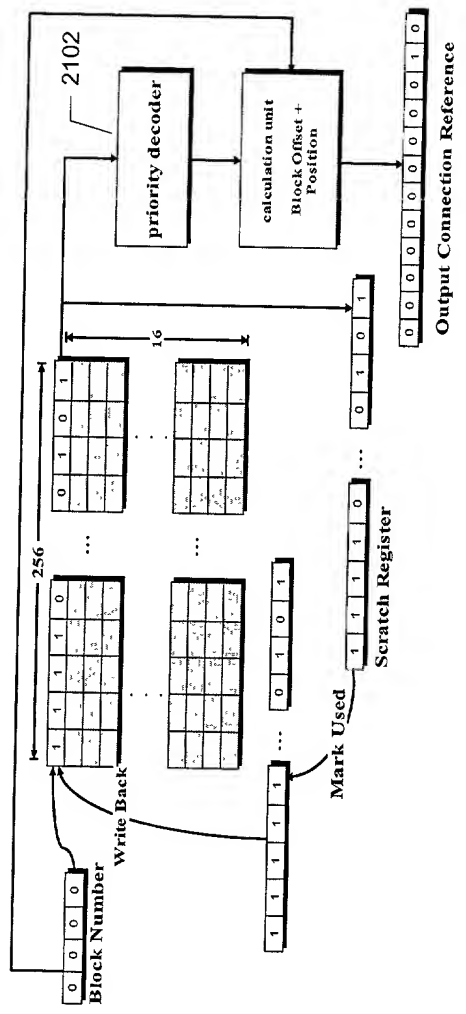


FIGURE 21

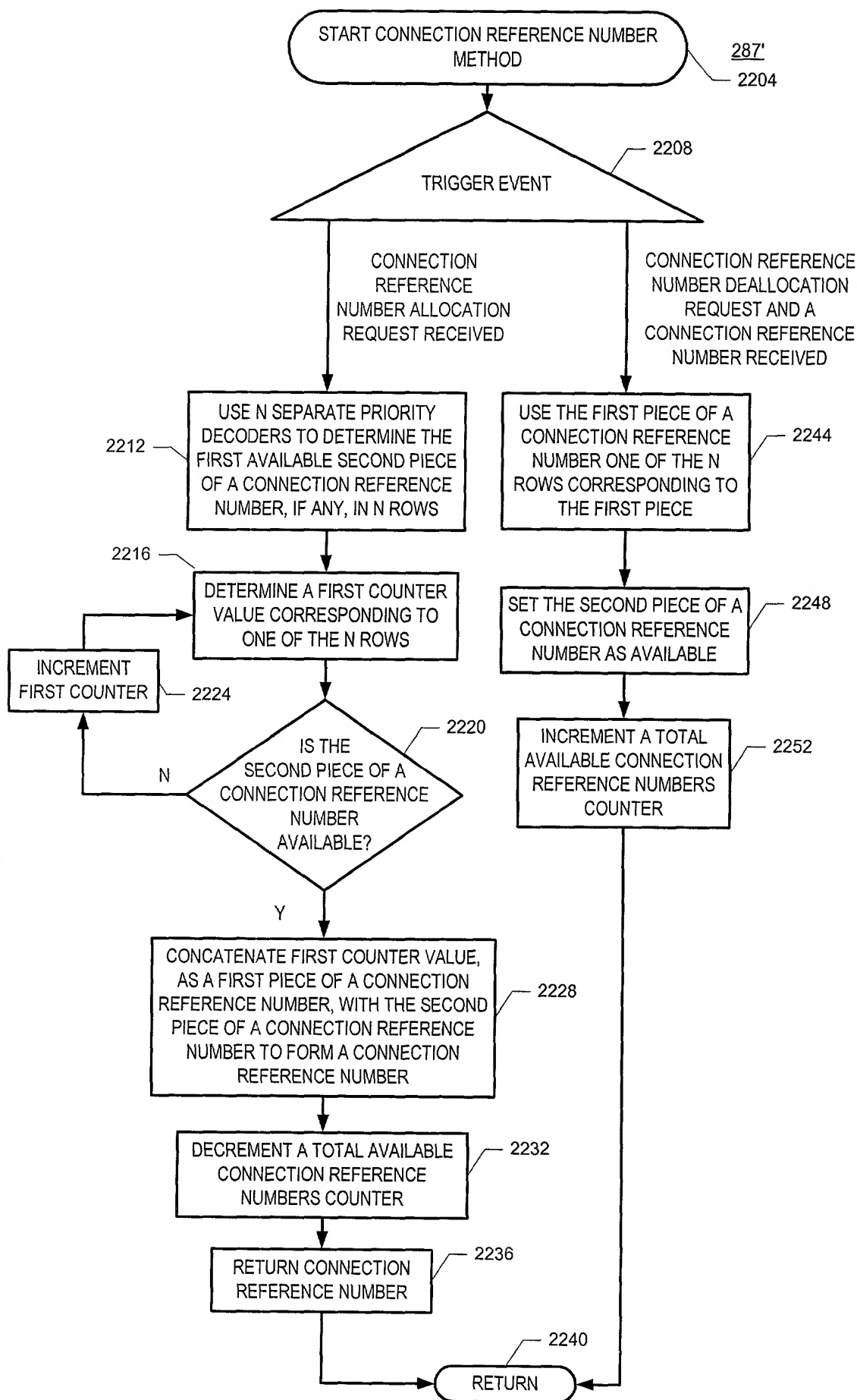
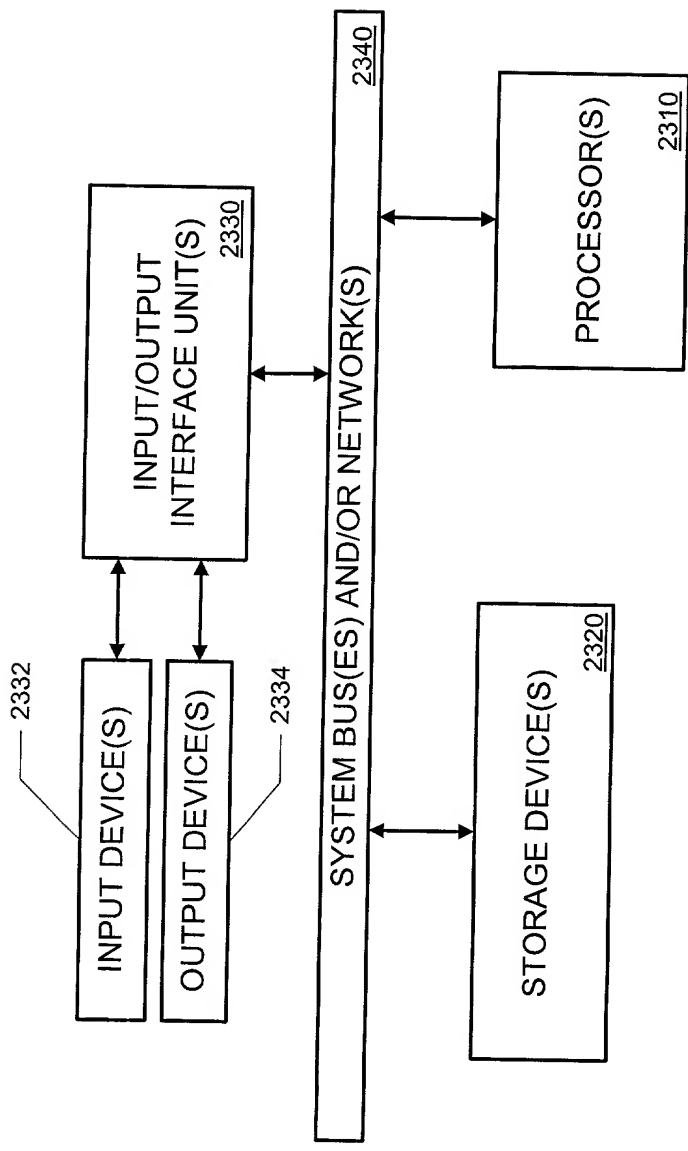


FIGURE 22





2300

FIGURE 23

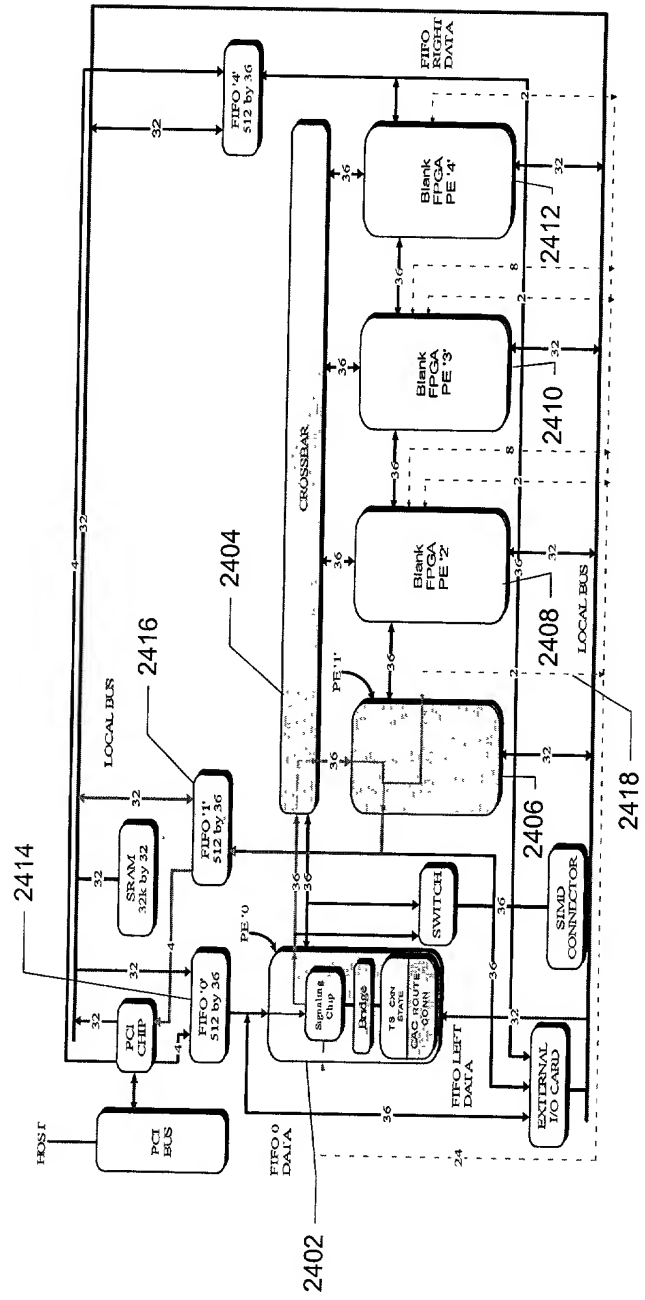


FIGURE 24

23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
CONNECTIVITY TABLE												ROUTING TABLE											
PREVIOUS NODE ADDRESS												DEST. NODE ADDRESS				BANDWIDTH				OPT			
6-BIT												6-BIT				4-BIT				1-B			
4-BIT												5-BIT				4-BIT				5-BIT			
INTERFACE #												CAC				NEXT NODE ADDRESS							
6-BIT												5-BIT				5-BIT							

2500

FIGURE 25

2600

FIGURE 26

2700

FIGURE 27

FIGURE 28

INDEX		RETURN / WRITTEN VALUE					
OWN CONNECTION REFERENCE 5-BIT	CONNECTION REFERENCE 5-BIT (EACH)		STATE 2-BIT	BANDWIDTH 4-BIT	NODE ADDRESS 5-BIT (EACH)		OWN CONNECTION REFERENCE 5-BIT
	PREVIOUS	NEXT			Previous	NEXT	

2800

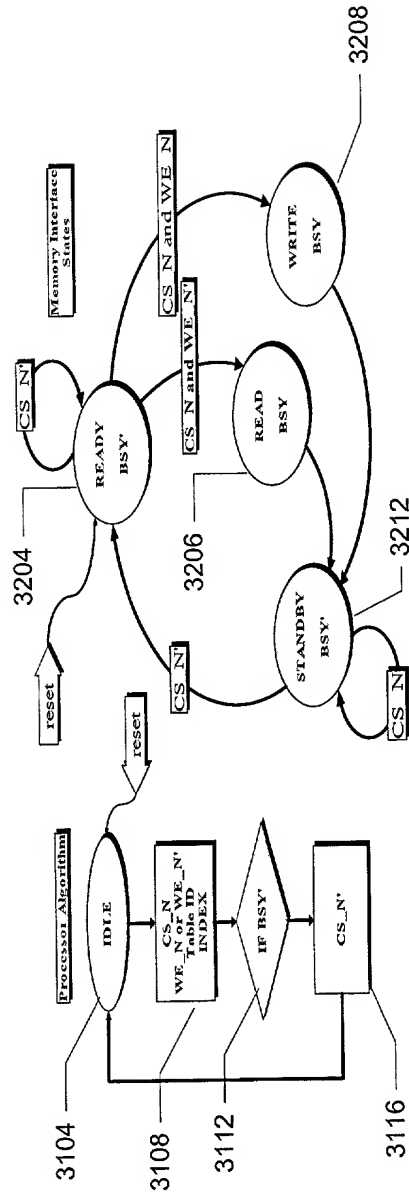
FIGURE 29

INDEX		RETURN / WRITTEN VALUE			
OWN CONNECTION REFERENCE 5-BIT	SEQUENTIAL OFFSET (0 to BW-1) 4-BIT	INCOMING CHANNEL IDENTIFIER 8-BIT		OUTGOING CHANNEL IDENTIFIER 8-BIT	
		INTERFACE	TIME-SLOT	INTERFACE	TIME-SLOT

2900

Table 1: Chip Select and Write Enable

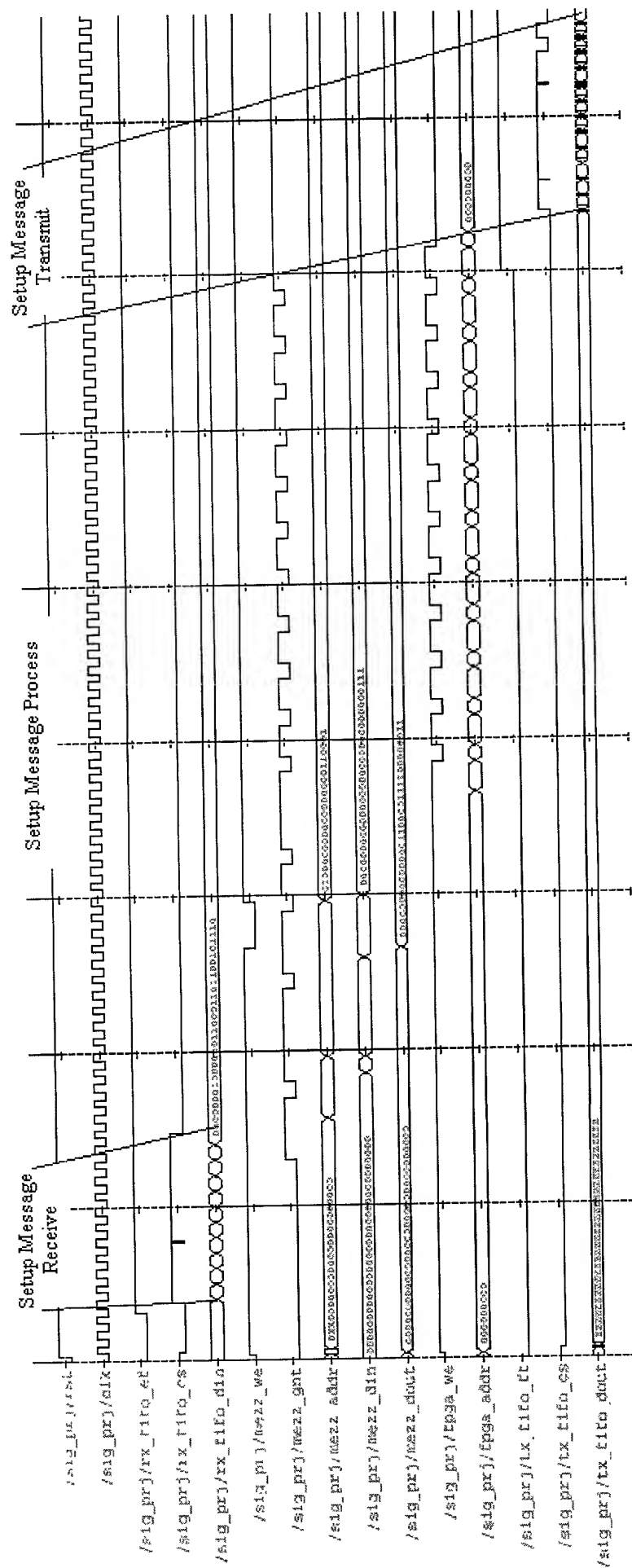
CS_N	WE_N	ACTION
0	0	Write
0	1	Read
1	0	Pause
1	1	No action/High Impedance



3100

FIGURE 31

FIGURE 32



**FIGURE 33**





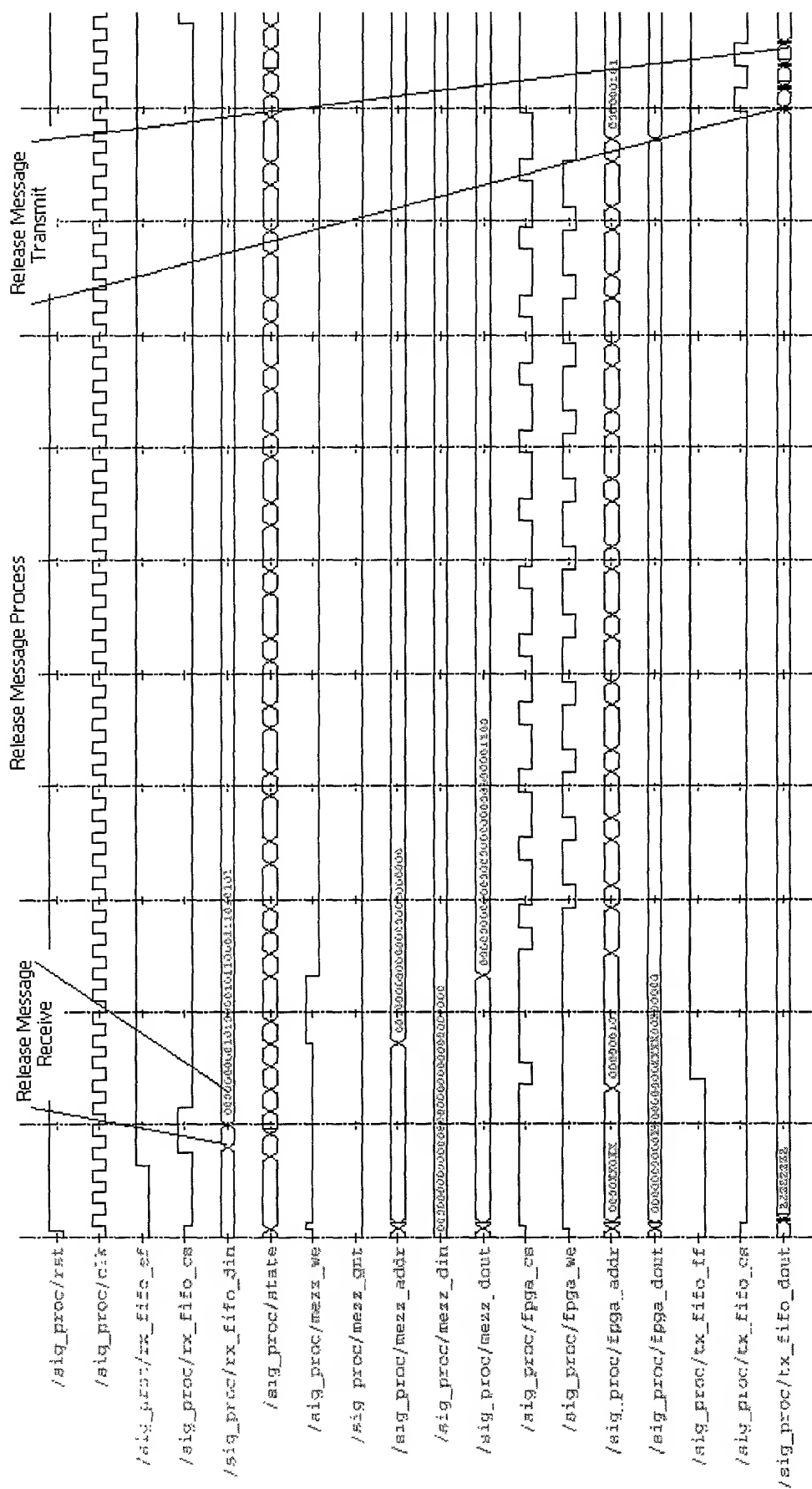
[illegible]

FIGURE 35

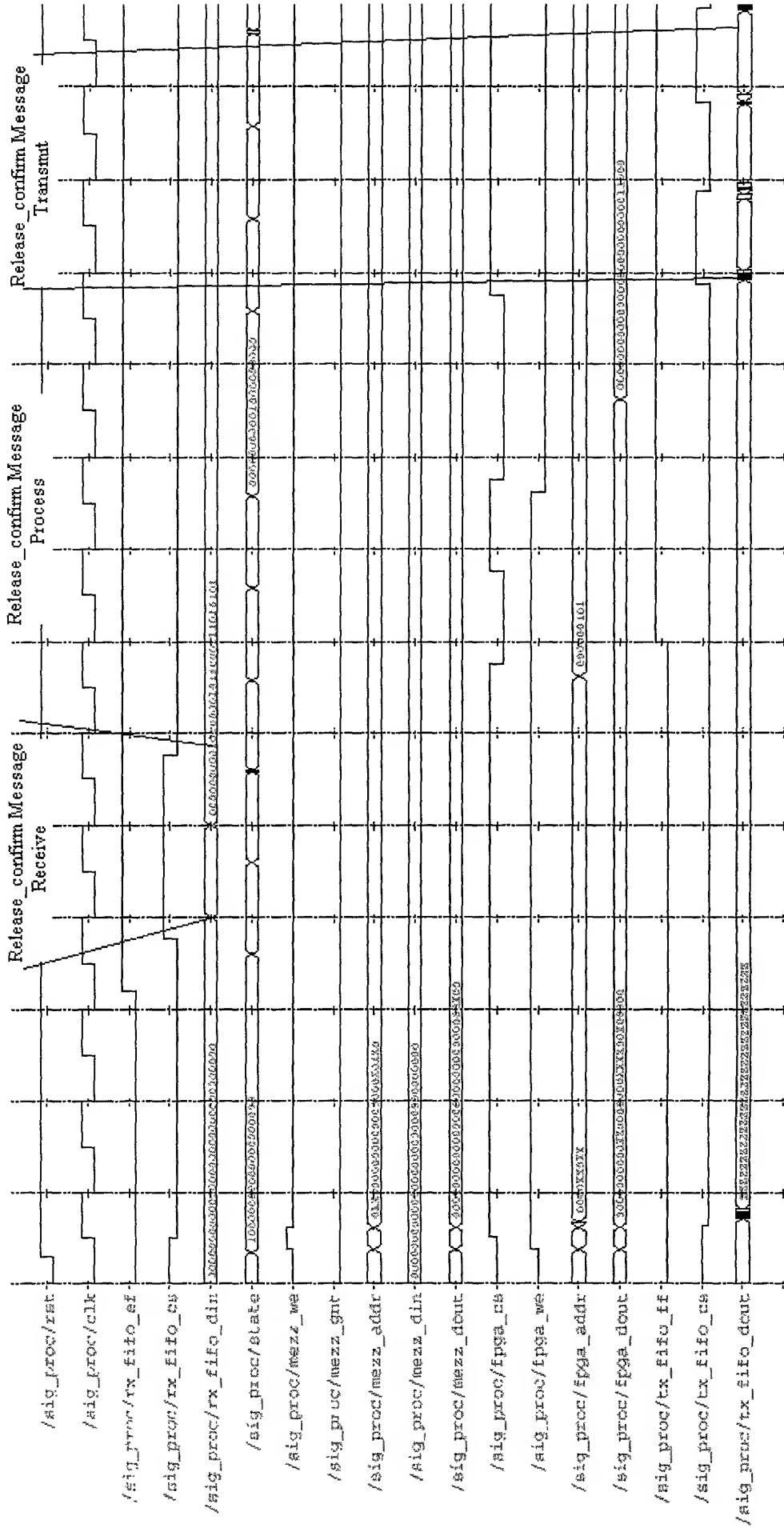


FIGURE 36

Type	Operations and Cycles										Total
Setup	Op	RX	RD route & CAC	WR CAC	RD Conn	RD Cxn ref	RD TS & WR switch	WR State	TX		77-101*
	cycles	12	8-32	2	4	2	36	1	12		
Setup success	Op	RX	RD State					WR State	TX		9
	cycles	3	2					1	3		
Release	Op	RX	RD State	RD CAC & WR CAC	RD Switch & WR TS			WR State	TX		51
	cycles	3	2	6	36			1	3		
Release confirm	Op	RX	RD State	WR Cxn ref							10
	cycles	3	2								

FIGURE 37